

N42RF ERROR SUMMARY
20190412H1

Flight ID: 20190412H1

Sensor or System -----	Number or Name -----
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.1
Dewpoint Temp. Probe	TDM.2
Vertical Accelerometer	AccZfilterI-GPS.1
Altimeter	AltGPS.3
INE Selection	1
Differential Attack Pressure Probe	PDALPHA.1
Differential Sideslip Pressure Probe	PDBETA.1
Dynamic Attack Pressure Probe	PQALPHA.1
Dynamic Sideslip Pressure Probe	PQBETA.1

Flight Directory acdata/2019/MET/20190412H1

Local Met Data	Takeoff MROC (0919Z)	Landing TNCC (1151Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.31252
AttackAngleSlope		6.06758
SlipAngleIntercept		0.4295
SlipAngleSlope		7.17033

Notes:

There were no edits made in the measured parameters used to calculate meteorological and navigational parameters.

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

CHAT

PDAlpha.2 INOP

PQM.1 unrepresentative at transit altitudes

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	0	0	0
Test sondes	0	0	0
AXBTs	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Holmes
Phone #: 863-500-3983

ACAT-4 Version = 7.2.2

APPENDIX 1 – P3 QC Checklist

Flight ID:	20190412141
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	✓	✓
Tower	✓	✓

UWZ.d mean: +0.05

	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	✓ AccAXI.1	✓ AccAYI.1	✓ AccAZI.1	✓ AccZfilter-GPS.1	✓ AccZref	
	✓ AccAXI.2	✓ AccAYI.2	✓ AccAZI.2	✓ AccZfilter-GPS.2		
	✓ AccAXI-GPS.1	✓ AccAYI-GPS.1	✓ AccAZI-GPS.1			
	✓ AccAXI-GPS.2	✓ AccAYI-GPS.2	✓ AccAZI-GPS.2			
✓ Altitude	✓ AltGPS.1	✓ AltI-GPS.1	✓ AltPaADDU.1	✓ AltRA.1	✓ ALTref	✓ AltRA1.c
	✓ AltGPS.2	✓ AltI-GPS.2	✓ AltBCADDU.1	✓ AltRA.2	✓ ALTPA.d	✓ AltRA2.c
	✓ AltGPS.3				✓ ALTGA.d	
	✓ AltGPS.4					
✓ Ground Speed	✓ GsXI-GPS.1	✓ GsYI-GPS.1	✓ GsZI-GPS.1		✓ GSXref	
	✓ GsXI-GPS.2	✓ GsYI-GPS.2	✓ GsZI-GPS.2		✓ GSYref	
✓ Lat/Lon	✓ LatGPS.1	✓ LatI-GPS.1	✓ LonGPS.1	✓ Loni-GPS.1	✓ LAJref	
	✓ LatGPS.2	✓ LatI-GPS.2	✓ LonGPS.2	✓ Loni-GPS.2	✓ LONref	
	✓ LatGPS.3		✓ LonGPS.3			
	✓ LatGPS.4		✓ LatGPS.4			
✓ Pressure	✓ PDALPHA.1	✓ PQALPHA.1	✓ PQM.1	✓ PSM.1	✓ PDALPHAref	✓ PQMref
	✓ PDALPHA.2	✓ PQBETA.1	✓ PQM.2	✓ PSM.2	✓ PQBETAref	✓ PQ.c
	✓ PDBETA.1		✓ PQM.3	✓ PTM.1	✓ PQALPHAref	✓ PSMref
	✓ PDBETA.2		✓ PQM.4		✓ PQBETAref	✓ PS.c
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1	✓ lasADDU.1		✓ AS.d	✓ TAS.d
✓ Pitch/Roll	✓ PitchI.1	✓ PitchRateI.1	✓ RollI.1	✓ RollRateI.1	✓ PITCHref	
	✓ PitchI.2	✓ PitchRateI.2	✓ RollI.2	✓ RollRateI.2	✓ ROLLref	
	✓ PitchI.3	✓ PitchRateI.3	✓ RollI.3	✓ RollRateI.3		
✓ Temp/Dewpt	✓ TTM.1	✓ TDM.1	✓ TRadD.1		✓ TD.c	✓ TTMref
	✓ TTM.2	✓ TDM.2	✓ TRadS.1		✓ TDMref	✓ TA.d
	✓ TTM.3	✓ TDM.3	✓ TRadU.1			
✓ Miscellaneous (must check)					✓ UWZ.d	✓ WS.d
					✓ DPJ_WSZ	✓ WD.d
					✓ HUM	

FLID_Mission Documents.pdf:

✓	Error Summary
✓	Crew Manifest
✓	QC checklist
✗	Dropwindsonde Log(s) – AVAPS and FD if completed
✓	Flight Track
✗	Miscellaneous FD notes

NOTES:

PQM.1 unrepresentative

PDALPHA.2 I-rdp.

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20190412H1	FLT #:	4	AC:	Kibbey	Scientists:	Pressure		Dropsondes		
From:	MROC	ETD:	0800Z	CP(s):	Rossi	Carrion McFadden Wheless	A/C Takeoff		Good	Bad	Sent
To:	TNCC	ETA:	1130Z		Doremus						
Block Time		Flight Time		Nav(s):	Freeman		Wx Station Takeoff		BTs		
In:	1157	In:	1151								
Out:	0859	Out:	0905	FE(s):	Sanchez		A/C Land		Good	Bad	Sent
Total:	3.0	Total:	2.8	FD(s):	Holmes	Visitors:	Wx Station Land				
Sponsoring Org:	AOC			SEB:	Greene		Storm Number ID:				
Program:					Newnam		(ie: AL072012)				
Purpose:	CHAT: MROC to TNCC			SSA:	Mascaro		TCPOD/WSPOD Mission				
				AVAPS:			(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X						
SCIENCE MISSION WITHIN BDRY LAYER					X						
LACK OF PRECIPITATION					X						
RELATIVE HUMIDITY ≥ 80%					X						
LARGE AIR-SEA TEMP GRADIENT					X						
HIGH SURFACE WINDS					X						
LONG FETCH / DURATION OF SFC WND					X						
SEA SALT ACCRETION FORECAST					X						
SEA SALT ACCRETION OBSERVED					X						

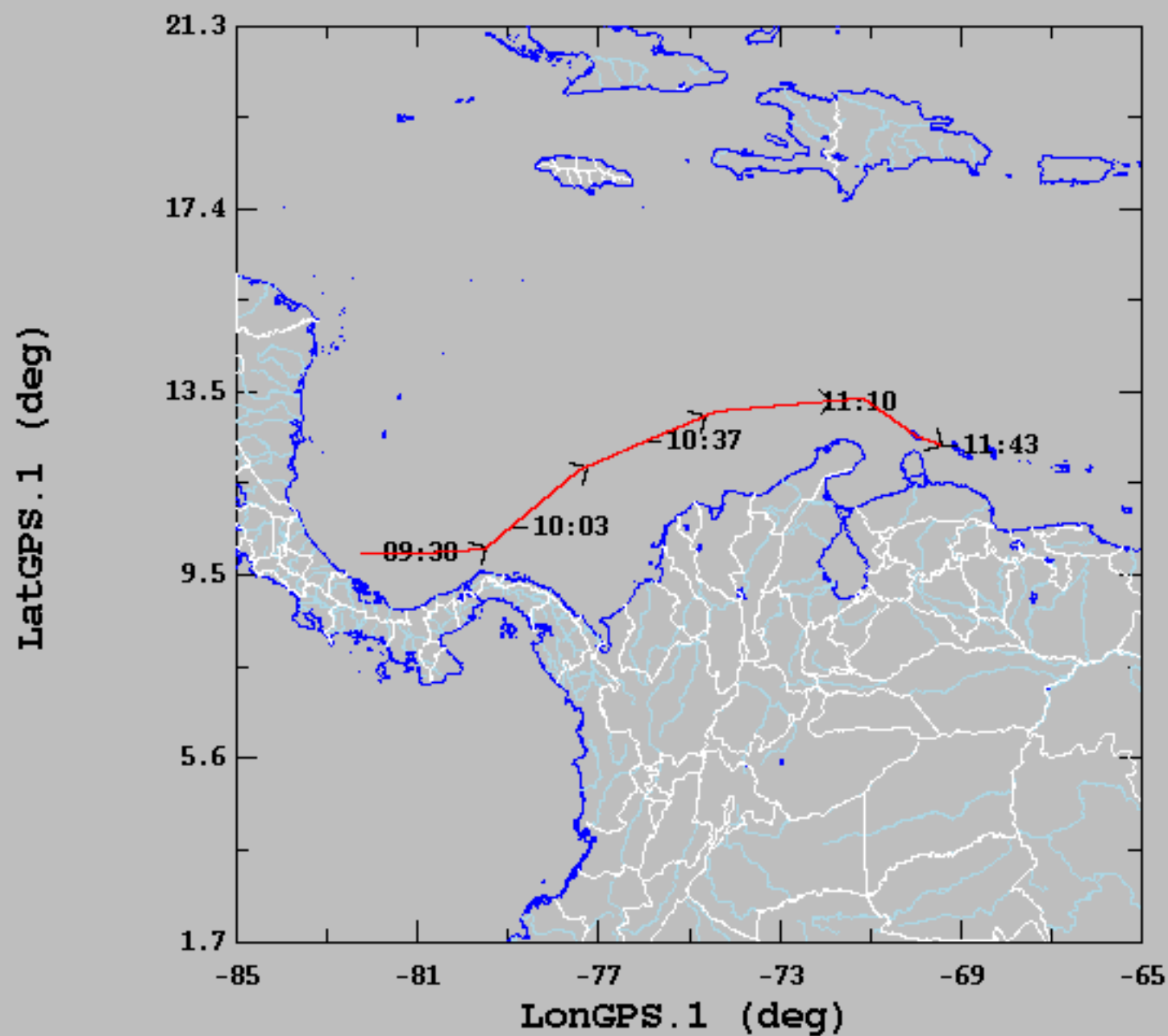
Additional Remarks:

Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

2019-04-12, 09:30:40-11:43:20



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	11.90	1.23	9.98	13.32
LongGPS.1 (deg), 1 s/sec	-75.78	3.71	-82.21	-69.39